

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/055058 A1

(51) International Patent Classification⁷:**G06F 9/46**

(21) International Application Number:

PCT/JP2004/018422

(22) International Filing Date: 3 December 2004 (03.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2003-405376 4 December 2003 (04.12.2003) JP

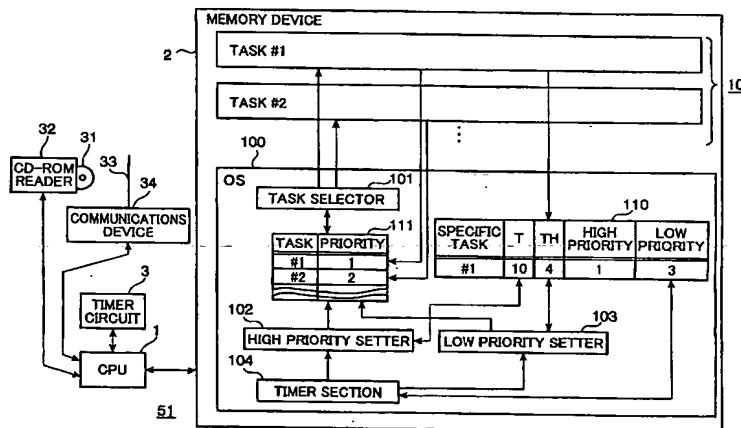
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(54) Title: TASK SCHEDULING DEVICE, METHOD, PROGRAM, RECORDING MEDIUM, AND TRANSMISSION MEDIUM FOR PRIORITY-DRIVEN PERIODIC PROCESS SCHEDULING



(57) Abstract: A high priority setter 102 writes the first priority (high priority) of a specific task #1 recorded in a specific task table 110 every time interval T, as the priority of the task #1 in a task priority table 111. Thereafter, when a time duration TH shorter than the time interval T elapsed, a low priority setter 103 writes the second priority (low priority) of the specific task #1 recorded in the specific task table 110, as the priority of the task #1 in the task priority table 111. The second priority is set lower than the first priority. A task selector 101 selects a task whose priority is set the highest among the tasks 10 recorded in the task priority table 111, as a specific task to be executed. Thus, the processing of the specific task #1 is securely executed during the time duration TH every time interval T, and the execution of the specific task #1 is allowed to continue if it is judged that there is no other task to be executed during the rest of the time interval T other than the time duration TH, by setting the first priority sufficiently high.

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(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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